

**ABSTRACT**

Systems and methods of delivering power provide for using a battery charging circuit to transfer power from a source device in a network to a first receiving device in the network. The circuit can also be used to transfer power from the source device to a second receiving device, where the first and second receiving devices are different types of devices. A pool of power can therefore be established for the network, where the pool derives its power from the devices in the network and can be used to deliver power between devices in the network. The use of a standardized circuit to transfer the power between the devices also eliminates the need for a dedicated battery charger for each device. In the case of a personal area network, the different types of devices may include personal computers, personal digital assistants, digital cameras, wireless phones, media players, wireless headsets, etc.